

Converting Colors

$Y_{xy}(12.4931, 0.2931, 0.1683)$

Have a look what the booklet for
Yxy(12.4931, 0.2931, 0.1683)
contains.

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Color

Yxy(12.4440, 0.2937, 0.1683)

Conversions

Conversions Part 1

Format	Color
Hex	9838AB
RGB	152, 56, 171
RGB Percent	60%, 22%, 67%
CMY	0.4038, 0.7804, 0.3295
CMYK	0.11, 0.67, 0.00, 0.33
HSL	290°, 51%, 45%
HSV	290°, 67%, 67%
XYZ	21.7160, 12.4440, 39.7794
YIQ	97.8140, 20.3010, 56.1170

Conversions

Conversions Part 2

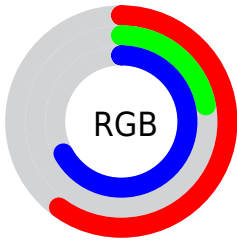
Format	Color
R_{YB}	152, 56, 171
Decimal	9975979
CIE _{Lab}	41.91, 56.04, -43.13
CIE _{LCh}	42, 70.714, 322.421
Yxy	12.4440, 0.2937, 0.1683
Android (android.graphics.Color)	4288166059 (0xFF9838AB)
YUV	97.8140, 36.0807, 47.5211
Hunter-Lab	35.2761, 48.1518, -42.1657

Details

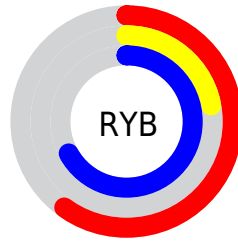
The Yxy color **12.4440, 0.2937, 0.1683** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **30.9006, 0.3143, 0.5344**, and the grayscale version is **12.0698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2532, 0.3007, 0.1989**, and **3.8494, 0.2780, 0.1305** is the 20% darker color. If you saturate the color by 10%, you get **10.7923, 0.2895, 0.1524**, and if you desaturate by 10%, it is **14.6691, 0.2977, 0.1880**.

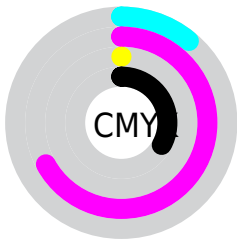
Distribution



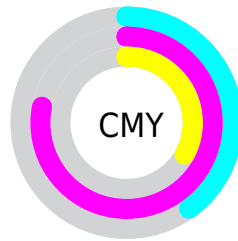
- Red (60%)
- Green (22%)
- Blue (67%)



- Red (60%)
- Yellow (22%)
- Blue (67%)



- Cyan (11%)
- Magenta (67%)
- Yellow (0%)
- Black (33%)





- Cyan (40%)
- Magenta (78%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4440, 0.2937, 0.1683 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 12.4440, 0.2937, 0.1683 by changing the saturation by 10% instead.


 12.4440, 0.2937,
0.1683


 12.4440, 0.2937,
0.1683


 207.3229, 0.3088,
0.2523


 7.0468, 0.2876,
0.1472


 30.3012, 0.3008,
0.1992


 3.4914, 0.2780,
0.1208


 43.5300, 0.3030,
0.2107


 1.3933, 0.2622,
0.0876

 60.1382, 0.3046,
0.2204

 0.2118, 0.2390,
0.0281

 80.5101, 0.3058,
0.2287

 0.0000, 0.1720,
0.0000

 105.0301, 0.3068,
0.2359

 0.0000, 0.0000,
0.0000

 134.0827, 0.3076,

0.2420

168.0522, 0.3082,
0.2475

■ 12.4440, 0.2937,
0.1683

■ 12.4440, 0.2937,
0.1683

■ 10.7923, 0.2895,
0.1524

■ 14.6691, 0.2977,
0.1880

■ 9.6519, 0.2852,
0.1408

■ 17.5181, 0.3013,
0.2107

■ 8.9319, 0.2809,
0.1333

■ 21.0376, 0.3045,
0.2353

■ 8.7610, 0.2798,
0.1315

■ 25.2693, 0.3073,
0.2609

■ 30.2516, 0.3097,
0.2865

■ 36.0200, 0.3116,
0.3115

■ 42.6078, 0.3131,
0.3354

■ 50.0464, 0.3143,
0.3578

■ 58.3656, 0.3151,
0.3786

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



12.4440, 0.1789, 0.1384



12.4440, 0.2937, 0.1683



12.4440, 0.4518, 0.2262

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.4440, 0.2937, 0.1683



12.4440, 0.5118, 0.4823



12.4440, 0.1058, 0.2768

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.4440, 0.2937, 0.1683



30.9006, 0.3143, 0.5344

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



12.4440, 0.1633, 0.4619



12.4440, 0.2937, 0.1683



12.4440, 0.3937, 0.5837

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.4440, 0.2937, 0.1683



12.4440, 0.5840, 0.3809



12.4440, 0.2698, 0.6087



12.4440, 0.0947, 0.1760

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.4440, 0.2937, 0.1683



12.4440, 0.5432, 0.2747



12.4440, 0.2698, 0.6087



12.4440, 0.1189, 0.3305

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.4445, 0.2937, 0.1683



51.2767, 0.3090, 0.2786



8.8331, 0.1919, 0.1473



10.8873, 0.3084, 0.2716



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.4445, 0.2937, 0.1683



18.1675, 0.2873, 0.1458



13.1675, 0.3799, 0.2231



8.0802, 0.3112, 0.3065



6.6249, 0.2802, 0.1317



0.2018, 0.2933, 0.1389

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



11.9909, 0.4943, 0.3043



17.6377, 0.5576, 0.3066



30.7756, 0.2819, 0.4761



8.0361, 0.3261, 0.3253



6.5962, 0.6130, 0.3151



0.1899, 0.5417, 0.2758

Previews

White Background



This preview shows how the Yxy color 12.4440, 0.2937, 0.1683 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 12.4440, 0.2937, 0.1683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

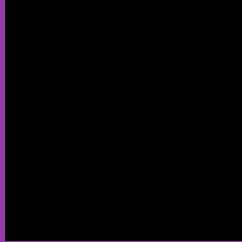
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.4440, 0.2937, 0.1683

Background



This preview shows how black text looks on a background with the Yxy color 12.4440, 0.2937, 0.1683.



This preview shows how white text looks on a background with the Yxy color 12.4440, 0.2937, 0.1683.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.4440, 0.2937, 0.1683

Protanopia

12.7254, 0.1742, 0.1470

Deuteranopia

12.6885, 0.2090, 0.2044



Tritanopia

12.4019, 0.4046, 0.3183

Trichromacy



Original Color

12.4440, 0.2937, 0.1683



Protanomaly

10.5029, 0.1854, 0.1388



Deuteranomaly

11.4210, 0.2294, 0.1799



Tritanomaly

12.0928, 0.3612, 0.2520

Monochromacy



Original Color

12.4440, 0.2937, 0.1683



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.5187, 0.3058, 0.2469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4440, 0.2937, 0.1683 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(152, 56, 171)` looks like.

```
.text, #text, p{  
    color:rgb(152, 56, 171)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(152, 56, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 56, 171) }
```

Border

The CSS property to change the border of an element to Yxy 12.4440, 0.2937, 0.1683 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(152, 56, 171) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(152, 56, 171) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(152, 56, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 56, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 56, 171);  
box-shadow:4px 4px 4px 4px rgb(152, 56,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4440, 0.2937, 0.1683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 56, 171) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(152, 56,  
171) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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